

Title (en)
VALVE DRIVE WITH ADJUSTABLE CAMSHAFT

Title (de)
VENTILSTEUERSYSTEM MIT EINER VERSTELLBAREN NOCKENWELLE

Title (fr)
COMMANDE DE SOUPAPE À ARBRE À CAMES AJUSTABLE

Publication
EP 3149292 B1 20190807 (DE)

Application
EP 15719446 A 20150422

Priority
• DE 102014107459 A 20140527
• EP 2015058680 W 20150422

Abstract (en)
[origin: WO2015180896A1] The invention relates to a valve control system (1) comprising at least one adjustable camshaft (10) having an outer shaft (11), and having an inner shaft (12) extending through the outer shaft (12), and having at least one phase splitter (13) comprising a first actuator (14), and a second actuator (15) that is rotatable with respect to the first actuator (14), wherein the outer shaft (11) and the inner shaft (12) are each connected to one actuator (14, 15). According to the invention, at least one stop (16) is provided that is coupled with the outer shaft (11) in a rotationally fixed manner. A counter-stop (17) is provided that is coupled with the inner shaft (12) in a rotationally fixed manner, wherein the maximum angle of rotation of the inner shaft (12) in the outer shaft (11) is determined by an abutting of the stop (16) on the counter-stop (17).

IPC 8 full level
F01L 1/344 (2006.01); **F01L 1/04** (2006.01)

CPC (source: CN EP US)
F01L 1/04 (2013.01 - CN EP US); **F01L 1/047** (2013.01 - US); **F01L 1/34413** (2013.01 - CN EP US); **F01L 1/46** (2013.01 - US); **F01L 2001/028** (2013.01 - US); **F01L 2001/0473** (2013.01 - CN EP US); **F01L 2001/0475** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102014107459 A1 20151203; CN 106471221 A 20170301; EP 3149292 A1 20170405; EP 3149292 B1 20190807; US 10060304 B2 20180828; US 2017204751 A1 20170720; WO 2015180896 A1 20151203

DOCDB simple family (application)
DE 102014107459 A 20140527; CN 201580029173 A 20150422; EP 15719446 A 20150422; EP 2015058680 W 20150422; US 201515313032 A 20150422